

PASSIVE TREATMENT SYSTEM O&M INSPECTION REPORT

Rev. 9/2008

Inspection Date: _____	Project Name: BC19 & 19B Remediation Project
Inspected by: _____	Municipality: Marion Township
Organization: _____	County: Butler State: PA
Time Start: _____ End: _____	Project Coordinates: 41° 09' 44" Lat 79° 55' 08" Long
Receiving Stream: Blacks Creek	Subwatershed: Slippery Rock Creek Watershed: Beaver River

Weather (circle one): Snow Heavy Rain Rain Light Rain Overcast Fair/Sunny **Temp(°F):** ≤32 33-40 41-50 51-60 60+

Is maintenance required? **Yes / No** If yes, provide explanation:

A. Site Vegetation (Uplands and Associated Slopes)

Overall condition of vegetation on site: 0 1 2 3 4 5 (0=poor, 5=excellent, circle one) (See instructions.)

Does the site have any areas that need to be stabilized? **Yes / No** If yes, explain maintenance performed or needed:

B. Pull Off Area – Site Access

Does the pull-off area need to be cleared of debris or stabilized? **Yes / No**

If yes, explain maintenance performed or needed:

C. Culvert 1 (18" CMP) & Culvert 2 (24" N-12)

Do the culverts need to be cleaned, repaired or otherwise maintained (i.e. are they handling all the water with no significant erosion)? **Yes / No**

If yes, explain maintenance performed or needed (specify culvert #):

D. Wildlife Utilization

Animals sighted or tracks observed _____

Invasive plants observed _____

Describe any damage caused to treatment system by wildlife (especially muskrats) and required maintenance:

E. Blacks Creek Upstream (905 UP)

Enter pH, temp, alkalinity, flow and other field data as applicable in Section J. If water samples were collected enter bottle numbers.

F. Abandoned Mine Discharge (BC 19)

Enter pH, temp, alkalinity, flow and other field data as applicable in Section J. If water samples were collected enter bottle numbers.

Calculate Flow by subtracting the flow measured at BC19B from the flow measured at Wetland (WL).

Maintenance performed? _____

Maintenance needed? _____

Additional comments? _____

G. Wetland (WL)

Enter effluent pH, temp, alkalinity, flow and other field data as applicable in Section J. If water samples were collected enter bottle numbers.

Berm condition: Stable? **Yes / No** Slumping? **Yes / No** Erosion rills? **Yes / No** Tension cracks? **Yes / No** Vegetation successful? **Yes / No**

Is there evidence of water overtopping berm? **Yes / No**

Does the wetland appear to be short-circuiting? **Yes / No** Were haybales placed? **Yes / No** Do haybales need to be placed? **Yes / No**

Outlet spillway condition: Stable? **Yes / No** Erosion rills? **Yes / No** Debris present? **Yes / No** Significant siltation? **Yes / No**

Water level control structure (level spreader): Stable? **Yes / No** Cracks? **Yes / No** Debris present? **Yes / No** Debris removed? **Yes / No**

Effluent flow pipe condition: Pipe present? **Yes / No** Good? **Yes / No** Crushed? **Yes / No** Plugged? **Yes / No** Broken? **Yes / No**

Is all water going through the pipe? **Yes / No** If no, was this corrected? **Yes / No**

Does sludge need to be removed? (if water is overtopping the berm or is about to over top the berm, sludge will need to be removed) **Yes / No**

Maintenance performed? _____

Maintenance needed? _____

Additional comments? _____

H. Abandoned Mine Discharge (19B)

Enter pH, temp, alkalinity, flow and other field data as applicable in Section J. If water samples were collected enter bottle numbers.

Pipe condition: Pipe present? **Yes / No** Good? **Yes / No** Crushed? **Yes / No** Plugged? **Yes / No** Broken? **Yes / No**

Is all water going through the pipe? **Yes / No** If no, was this corrected? **Yes / No**

Maintenance performed? _____

Maintenance needed? _____

Additional comments? _____

I. Blacks Creek Downstream (905 DN)

Enter pH, temp, alkalinity, flow and other field data as applicable in Section J. If water samples were collected enter bottle numbers.

J. Field Water Monitoring and Sample Collection

Raw water sample locations as marked on plan.

☐ - Not monitored

Sampling Point	Flow Measurements		Calculated Flow (gpm)	pH	Temp (°C)	Alkalinity (mg/L)	DO (mg/L)	Iron (mg/L)	Comments	Bottle #	Bottle # (total metals)	Bottle # (diss. metals)
	gals	sec.										
BC19												
BC19B												
Wetland (WL)												
BC2 (UP)												
BC2B (DN)												

K. Site Schematic

